

19981020.ba v02_n266.bam.981020

>From ???@??? Wed Oct 21 08:40:11 1998
Message-Id: <199810201857.NAA14308@sco.theporch.com>
Date: Tue, 20 Oct 1998 13:53:45 CDT
Subject: BOATANCHORS digest 2266

BOATANCHORS Digest 2266

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- 2) Re: BC-357-L & BC-348
by David Stinson <arc5@ix.netcom.com>
- 3) Old microwave ovens
by Ralph Parker <rparker@istar.ca>
- 4) Re: NC-183D characteristics
by provero@connix.com
- 5) Re: GB> AWA '29 Event (Tubes)
by Bob Roehrig <broehrig@admin.aurora.edu>
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by w9dad@juno.com (Dennis A. Doonan)
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by Dan Arney <kn6di@groupone.net>
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by "Larry Johnson" <k5yf@wt.net>
- 9) Re: Cal-Poly Swap
by "Arden Allen" <gumbear@pacbell.net>
- 10) Re: Dumb question
by Sandy W5TVW <ebjr@worldnet.att.net>
- 11) Re: NC-183D characteristics
by "Arden Allen" <gumbear@pacbell.net>
- 12) Re: BC-357-L & BC-348
by Ken Corwin <kenc2@pacbell.net>
- 13) Need info on PANADAPTORS
by "JOSE V. GAVILA (EB5AGV/EC5AAU)" <eb5agv@ctv.es>
- 14) Re: Burroughs B5750 Nixies???
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- 16) NC-183D characteristics
by Jderm740@aol.com
- 17) Re: Old microwave ovens
by "A. B. Bonds" <ab@vuse.vanderbilt.edu>
- 18) Wanted Healthkit UT-1 power supply.
by W4UOC@aol.com
- 19) Nixie Tubes

- by w4bld@juno.com
- 20) Some misc wants
by "Joseph W. Pinner" <kc5ijd@sprintmail.com>
- 21) Johnson Matchbox on 160??
by "Freeberg, Scott (STP)" <scott.freeberg@guidant.com>
- 22) RE: Johnson Matchbox on 160??
by "James C. Owen, III" <owen@piper.eeel.nist.gov>
- 23) Thanks for Matchbox on 160 Response
by "Freeberg, Scott (STP)" <scott.freeberg@guidant.com>
- 24) Re: [R-390] SP-600 vs R-390n/a
by laffitte@prtc.net (laffitte)
- 25) RE: Johnson Matchbox on 160
by "Chuck O'Neal" <coneal@ultranet.com>

Message-Id: <3.0.1.32.19981019171642.00ed27d0@vuse.vanderbilt.edu>
Date: Mon, 19 Oct 1998 17:16:42 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: "A. B. Bonds" <ab@vuse.vanderbilt.edu>
Subject: SX-16 variants?
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Started plowing into a venerable SX-16 over the weekend. I must comment at the outset that the Halli "rat's nest" style of wiring was well-established early on (this unit is dated March 1938). Believe me folks, this is no Hammarlund or National....

Anyhoo, I had ordered up a kit of caps based on the parts list. Silly me! This one differs from the diagram in three fundamental ways: (1) Most of the cap sizes have been bumped up; i.e., for a .05, they have a 0.1 and so on. No reason to believe these are not the original caps. (2) It uses a 6AC7 instead of a 6K7 as the RF tube. This again was not an aftermarket conversion. The socket on this tube is Not Accessible. (3) It has an additional tube, a 6C5, hung right behind the tuning cap. This does seem to be aftermarket, and appears to act as a noise blanker. It is attached to a mystery switch ion the rear of the chassis. More as I figure it out.

Point of the post being is there a source (e.g., Rider's) for a diagram that is different from the factory manual? It might take some of the mods into account.

So far so good. All the knobs are there and the front panel cleaned up OK. This panel is reverse-etched, i.e., the lettering stands OUT from the background. Easily shined up with a piece of #600 paper wrapped around a small piece of square stock. I also like the crystal, a round ceramic holder (Mfd. by Bliley) with a little lead seal to prove it was not tampered with.... Perhaps the neatest feature is the five-turn bandspread

dial with a continuous readout. As the dial turns, the scale spirals, and a little light with crosshair rides a track behind it to let you know where you are. Swell, kids!

73 A. B. Bonds

Message-ID: <362BBA6B.6CCE@ix.netcom.com>
Date: Mon, 19 Oct 1998 17:17:15 -0500
From: David Stinson <arc5@ix.netcom.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: boatanchors@sco.theporch.com
Subject: Re: BC-357-L & BC-348
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

BC-357 is a 75 MHZ aircraft marker beacon receiver. Used in WW-II aircraft to trip a relay and light a light in the cockpit, letting the crew know they were directly over the "marker" at an airfield. 28 VDC power for both A and B+. Single detector fed a relay control tube. Put a small sand-state preamp in front, a light or buzzer on the output and run a short antenna outside. Tweek it to either a non-local TV channel or a pager channel. Use it to tell when E-Skip is in for VHF work. Not my idea, but a good one.
73 DE Dave Stinson AB5S
arc5@ix.netcom.com

Message-Id: <3.0.5.16.19981019123017.302f8798@istar.ca>
Date: Mon, 19 Oct 1998 12:30:17 -0700
To: Old Tube Radios <boatanchors@theporch.com>
From: Ralph Parker <rparker@istar.ca>
Subject: Old microwave ovens
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Bobbi said:
>Old "maggie" tube from microwave ovens may make good paperweights, but
>one should not take the oven apart and reassemble it on a breadboard to
>see where the juice comes out....a maggie from an oven lives at freqs >best
for heating things up--lumps of animal tissue, like thee and me.

I've salvaged a few for the xformers (haven't used them yet), but have often wondered: If I mounted one on the back of my car and turned it on

when a car with a red light on top and a microwave device of its own was following me, would I still get a speeding ticket, or would there just be a puff of smoke from the dash?

Ralph, VE7XF

From: provero@connix.com
Message-Id: <199810200019.UAA02751@comet.connix.com>
Date: Mon, 19 Oct 1998 20:15:45 -0400
To: Old Tube Radios <boatanchors@theporch.com>
Cc: boatanchors@theporch.com
Subject: Re: NC-183D characteristics

There are several dual conversion BA's with "tight" selectivity even in the broadest bandwidth.

The Halli's with 50 KHz IF strips, the Hammar's with same.

Maybe there's a way to stagger tune the 183D to get a bit more, but "serious" comm receivers really weren't supposed to be high-frequency hi-fi.

P.J. "Josh" Rovero	home:	provero@connix.com
Meteorologist	radio:	KK1D
Oceanographer	work:	rovero@sonalysts.com
Curmudgeon-at-Large	web:	http://www.connix.com/~provero/

Date: Mon, 19 Oct 1998 19:34:12 -0500 (CDT)
From: Bob Roehrig <bproehrig@admin.aurora.edu>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: GB> AWA '29 Event (Tubes)
Message-ID: <Pine.ULT.3.96.981019192039.26683B-100000@admin.aurora.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Can anyone tell me when the 3C24 was first made?

"Nostalgia is a thing of the past"
E-mail bproehrig@admin.aurora.edu 73 de Bob, K9EUI
CIS: Data / Telecom Aurora University, Aurora, IL
630-844-4898 Fax 630-844-5530

To: Old Tube Radios <boatanchors@theporch.com>

Cc: dennisdoonan@eaton.com
Date: Mon, 19 Oct 1998 19:44:11 -0700
Subject: FS: mostly test equipment
Message-ID: <19981019.194413.8646.1.W9DAD@juno.com>
From: w9dad@juno.com (Dennis A. Doonan)

All items are believed to be operational and include manuals unless noted. Prices do not include shipping. Heavy items are for pick up only in SE WI.

Heathkit AG-9A Audio generator \$25
Heathkit HD-1 harmonic distortion meter \$25
Heathkit AA-1 audio analyzer \$25
Heathkit HD-1422 noise bridge \$25
Heathkit SB-610 station scope \$65
Heathkit SG-8 RF generator, no manual \$20
Heathkit AV-3 Audio VTVM, no working \$5
Heathkit IM-18 VTVM \$20
General Radio 1840-A output meter, untested, \$15
RCA Junior Voltomyst, meter face cracked, no manual, \$10
Eico 147 Signal Tracer, no manual, \$20
Eico 145 Signal Tracer, no manual, \$20
Eico 232 VTVM, no leads, \$15
Eico 625 tube tester, no manual, \$25
Ballantine AC volt meter, no manual \$10
NRI 34 Professional Signal tracer, no manual,
tunable front end, dirty, works, \$20
H-P 650A audio oscillator, no manual, no ship \$25
Boonton 202H 54-216 mc rf generator, no ship \$55
Eico 1050 battery eliminator, \$25
Solitron R200 scr tester, 1kv, \$25
LM-21 with homebrew supply, no manual, but includes
calibration book \$20
BC-453 with local tuning knob, converted with ac supply,
not tested, \$35
R & C substitution boxes: CDE: CDB3, CDA5, CDA-5,
RDA, RDB and Heathkit IN-11, no manual, \$25 all

Please respond by e-mail. Thanks
Dennis, W9DAD

W9DAD @Juno.com

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Get completely free e-mail from Juno at <http://www.juno.com>
or call Juno at (800) 654-JUNO [654-5866]

Message-ID: <362BDFC7.6DB88D31@groupone.net>
Date: Mon, 19 Oct 1998 17:56:39 -0700
From: Dan Arney <kn6di@groupone.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Re BC-357
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well it actually receives 3 different frequencies on 75MC. White light is airway marker = Blue is outer marker on a ILS approach or a fixed point to be at a set altitudu on a non precision approach and the Green is the middle marker which is at the minimums for the approach and you should see the runway within the confines of the main windshield or it is time to get the beast on the move for a missed approach and do it all over again. If you miss 2 in a row it is time to go somewhere else before you bust your A--. Been there done that. Over 20,000 hrs and still kicking.

Hank KN6DI
73

dgnova@erols.com wrote:

>
> This is the marker beacon receiver, fixed tuned to about 75mc/s I
> believe
> this frequency is still in use. It lights up colored lights as you
> traverse the landing beam. If you decide so trash it, which I hope you
> will not, there is a sensitive relay inside which might be of use.

Message-ID: <000801bdfbcb\$6d1ea660\$6c998bce@k5yf>
From: "Larry Johnson" <k5yf@wt.net>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: <artgor@concentric.net>
Subject: Fw: Freebee - S-53 parts rig
Date: Mon, 19 Oct 1998 20:46:12 -0500
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Fellow Boat Anchorites

Received the following note from Arthur Gordon re free S-53 likely parts rig. If anyone is interested, please contact him directly...his address is listed below. (Not me...I'm just the messenger.)

Larry Johnson, K5YF
Houston, Texas USA
e-mail: k5yf@wt.net

-----Original Message-----

From: Arthur Gordon <artgor@concentric.net>
To: k5yf@wt.net <k5yf@wt.net>
Date: Sunday, October 18, 1998 21:11
Subject: Freebee

>Larry::
>I am in the position of being able to give away a half or more dead
>Hallicrafter rig Model S-53. At the moment it is not in my possession
>and the XO of the possessor threatens to give it the "deep six"
>So far I restrained her and played upon her charitable instincts.
>
>I have not seen the rig in a while but am advised it has multiple
>probably usable parts. Do you know of any one willing to pay the shipping
>costs (and no more) from New York? Please advise
>
>73 s
>e-mail-----artgor@concentric.net .
>

Message-Id: <199810200210.TAA18039@mail-gw5.pacbell.net>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Cal-Poly Swap
Date: Mon, 19 Oct 1998 19:12:22 -0700
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi Hank;

>Naturally no Manual.

Referring to your SLRM of course. If no one shows up on your doorstep and puts one in your hands let me know and I can make a copy of mine. Costs and postage I'm sure you will reimburse.

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: Old Tube Radios <boatanchors@theporch.com>
From: Sandy W5TVW <ebjr@worldnet.att.net>
Subject: Re: Dumb question
Message-Id: <19981020022025.SQJ4467@LOCALNAME>
Date: Tue, 20 Oct 1998 02:20:25 +0000

At 11:06 AM 10/19/98 -0500, you wrote:

>I recently acquired some old radios with lots of 7 series tubes.
>These are all 6.3v tubes but are marked 7A4, 7C5, 7C6. Did they run
>out of 6 series id's? Or does the 7 indicate loctal?
>They are Philco, RCA, and other brands so I don't think it's just
>a proprietary thing.
>Thanks and 73 Gary
>

NO! The "7" and "14" designation was reserved for the "Loktal" based tube
may of which have counterparts in "octal" that are dientical except for the
base. The "Loktal" phenomenon was promoted by Philco and Sylvania.
I think they worked in conjunction in the design of the loktal configuration.
Actually it was a big advancement over the octal based tubes and some
of the first tubes where the pins were an integral part of the tube's
structure rather than wires being soldered to seperate base pins.
There were advantages in the VHF region over the octal base in regard to
short leads and the omission of the old glass "pinch" and long leads to the
base.

73,
Sandy W5TVW

Message-Id: <199810200235.TAA27446@mail-gw5.pacbell.net>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: NC-183D characteristics
Date: Mon, 19 Oct 1998 19:38:10 -0700
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Howdy AB;

> The book shows that the wide-open filter is something like 3 kHz on a
side
> (6 kHz total) at 20 db down, which would pass only 3 kHz of AM at best.
I
> guess that's the price that one pays for selectivity (which is pretty
> good).... Anyone else find this to be true for the NC183D? Am I missing

> something here?

Yeah, I think so. You are missing the opportunity to see if you can improve the IF characteristics by sweep aligning the IF. A slightly too hot IF can be too narrow because of Q multiplication caused by positive feedback. Missalignment can be the culprit for such a condition. When aligning multistage IF's shape is more important than just plain gain. Give it a try.

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Message-ID: <362C0C84.2309@pacbell.net>
Date: Mon, 19 Oct 1998 21:07:32 -0700
From: Ken Corwin <kenc2@pacbell.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Boatanchors at the Porch <boatanchors@theporch.com>
Subject: Re: BC-357-L & BC-348
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello, Chip -

If you have BC-348 connectors, the aluminum casting forming the 90-deg cord exit on one plug will be stamped PL-Q103; the other will be stamped PL-P103. The shell of both connectors is fabricated from stainless steel, with a removeable back and with a flange on each side with which it is attached to the FT-154-() rack. They are painted black wrinkle.

Hope this helps.

73, Ken Corwin, KF6NUR Santa Clarita, CA <kenc2@pacbell.net>

Message-Id: <3.0.1.32.19981020075947.007c6590@192.168.0.1>
Date: Tue, 20 Oct 1998 07:59:47 +0200
To: Old Tube Radios <boatanchors@theporch.com>
From: "JOSE V. GAVILA (EB5AGV/EC5AAU)" <eb5agv@ctv.es>
Subject: Need info on PANADAPTORS
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi gang,

I have never operated such a device (in fact, I've never seen one but in pictures!) and have only read a bit about them, but not with enough detail.

I need information about panadaptors, specially their functions, resolution, operation, which ones are most used among Boatanchors users, their pros and cons, usefulness, ... Summing up, anything about them and your experiences :-)! I'm working on a project which involves 'emulating' a panadaptor and I want to know how close I am of a 'real' one, and if I can improve my design adding functions. Of course, once I finish with my work, you will get a full report about it, as I think it could be interesting for all of us.

Thanks for your help!

Best regards.

JOSE

73 EB5AGV / EC5AAU
JOSE V. GAVILA
Ausias March 46, 15
46910 Benetusser - VALENCIA
SPAIN

*** VISIT MY VINTAGE RADIO SITE - updated 25-September-1998 ***
<http://www.geocities.com/SiliconValley/6992/>

Message-ID: <362C5C7A.E1C8382E@pixi.com>
Date: Mon, 19 Oct 1998 23:48:42 -1000
From: rcote <rcote@pixi.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Burroughs B5750 Nixies???
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gene,

Most complete source for Nixies I've seen on teh web has been Bruckner at www.tubes4u.com. He has the B5750 for \$18 and the B5750S for \$20.

Good luck
Ray

Gene W. Sochor wrote:

>
> Ray Cote in Honolulu had a recent post regarding some found Nixies, which
> reminded me that I need some B5750 Nixies for an old Beckman "professional"
> clock.
>

> Anybody know a source?
>
> Gene Sochor, N9SW
> gsochor@interaccess.com

--

Raymond Cote
1405 Dominis ST #105
Honolulu, HI 96822-3213

Message-ID: <362C67B2.5831@worldnet.att.net>
Date: Tue, 20 Oct 1998 06:36:34 -0400
From: John Dilks <oldradio@worldnet.att.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: jdilks@lucent.com, enrpnr@erols.com
Subject: FS: Military and BA for sale -- Reasonably priced!
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

to all

Military and BA for sale -- Reasonably priced!

I won't put the list in this message as it is big. Please visit the list on my web site. Then contact my friend Ray Chase directly. His email, phone and address is on the list.

<http://www.eht.com/oldradio/members/rchase/>

--

73' John Dilks, K2TQN

Please visit my OldRadio Museum
<http://www.eht.com/oldradio/museum>

Webmaster for the Antique Wireless Association
<http://www.ggw.org/awa> Click on "Page 2"

--and--

for the New Jersey Antique Radio Club
<http://www.eht.com/oldradio>

From: Jderm740@aol.com
Message-ID: <57631a22.362c8c82@aol.com>
Date: Tue, 20 Oct 1998 09:13:38 EDT

To: Old Tube Radios <boatanchors@theporch.com>
Cc: boatanchors@theporch.com
Mime-Version: 1.0
Subject: NC-183D characteristics
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi "A"

Do you have a manual for this receiver? Because, reading mine I get the feeling you need realignment. Someone may have tried to align the set the standard way and that doesn't work with this set.
If you need instructions let me know and I'll make a copy of the material and send it to you. There are some tricky parts that have to be watched or it won't be very good.
It sounds as if the RF section is alright as you said the set hit WWV on the nose, but my guess is the IF is off.
Jack Jderm740@aol.com

Message-Id: <3.0.1.32.19981020084937.00eeba70@vuse.vanderbilt.edu>
Date: Tue, 20 Oct 1998 08:49:37 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: "A. B. Bonds" <ab@vuse.vanderbilt.edu>
Subject: Re: Old microwave ovens
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 12:30 PM 10/19/98 -0700, you wrote:

>

>I've salvaged a few for the xformers (haven't used them yet), but have
>often wondered: If I mounted one on the back of my car and turned it on
>when a car with a red light on top and a microwave device of its own was
>following me, would I still get a speeding ticket, or would there just be a
>puff of smoke from the dash?

>

Many years ago and far, far, away.... A certain colleague of mine (who now heads a substantial corporation doing lots of contracts for Uncle Sugar) was upset due to the excess of citations he had recently received merely as a consequence of exercising his Corvette with...enthusiasm. With some experimentation, he found that a loop inside a Welch's frozen grape juice can (the smaller size) squashed _just so_ resonated in the X-band. A vibrator, a big transformer, an even bigger capacitor and a relay soon took up residence inside his trunk, with said grape juice can mounted on the bumper. Within a week a variant of "blue flu" had infected the local radar systems.

A. B. Bonds

From: W4UOC@aol.com
Message-ID: <91dfe460.362c9ec3@aol.com>
Date: Tue, 20 Oct 1998 10:31:31 EDT
To: Old Tube Radios <boatanchors@theporch.com>
Mime-Version: 1.0
Subject: Wanted Healthkit UT-1 power supply.
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

I recently resurrected a Johnson Viking Mobiler and have fired it up with an assortment of junk. I am trying to neaten up the operation a bit and am looking for two items.

I am looking for a Healthkit UT-1 Universal Power supply (AC) and I presume there was at one time an associated DC power supply as well. The power supplies put out about 300 vdc and 600 vdc along with 6 or 12 vac fil. I think this power supply was designed to be used with the early Healthkit AM/CW mobile rigs....

I have tried using both the Elmac 1070 and Healthkit HP-23 power supplies but the high voltage taps are both in the 700vdc range and too high for the needs of the Viking Mobiler, which likes no more than 600 vdc on the 807s

Let me know what ya might have, if anything?

Tom Koch - W4UOC
8170 Habersham Waters Road
Dunwoody, GA 30350
(770) 730-8136

From: w4bld@juno.com
To: Old Tube Radios <boatanchors@theporch.com>
Cc: boatanchors@theporch.com
Date: Tue, 20 Oct 1998 11:08:58 -0300
Subject: Nixie Tubes
Message-ID: <19981020.110946.3326.15.w4bld@juno.com>

Gang - I have a number (probably 8 or 10) of Burroughs 6844A's if anyone needs them. I also have three (or more) sockets. I post this only because there have been a number of posts about nixies lately and I found them in on of my many recent cleanups. Thanks, Bob

Robert B. Kerby - W4BLD
PO Box 991 (231 Rosser Avenue)
Waynesboro, VA 22980

(540) 942-4356
(I collect Gonset, Morow and Elmac)

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or call Juno at (800) 654-JUNO [654-5866]

Message-Id: <199810201549.IAA07284@raven.prod.itd.earthlink.net>
Subject: Some misc wants
Date: Tue, 20 Oct 1998 10:49:31 -0500
From: "Joseph W. Pinner" <kc5ijd@sprintmail.com>
To: Old Tube Radios <boatanchors@theporch.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

Wants:

Davco DR-30-S - speaker/power supply for DR-30

Gonset 903A Mk 2 and 913A Mk 2 - 6 and 2 meter amps

Swan Mark 6B Linear or Raytrack Horizon VI

73

Joseph W Pinner
Lafayette, LA
KC5IJD
EMail: kc5ijd@sprintmail.com

Message-ID: <21B46CBD022AD1118F0500805F15A068CA22EF@STPMSX05.stp.guidant.com>
From: "Freeberg, Scott (STP)" <scott.freeberg@guidant.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Johnson Matchbox on 160??
Date: Tue, 20 Oct 1998 10:58:33 -0500
MIME-Version: 1.0
Content-Type: text/plain

I want to put my Valiant and 75A4 on 160 meter AM this fall. There are quite a few folks around here working 160 meter AM in the fall and winter since its quiet and not crowed like 75 meters. My question is would a Johnson KW Matchbox tune an 80 meter dipole (fed with coax) on 160 meters?
Thanks,

73, Scott WA9WFA in Saint Paul Minn

scott.freeberg@guidant.com

Date: Tue, 20 Oct 1998 13:31:53 -0500 (EST)
From: "James C. Owen, III" <owen@piper.eeel.nist.gov>
Message-Id: <48714.owen@piper.eeel.nist.gov>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: Johnson Matchbox on 160??

In message Tue, 20 Oct 1998 10:58:33 -0500,
"Freeberg, Scott STP" <scott.freeberg@guidant.com> writes:

My question is would a
> Johnson KW Matchbox tune an 80 meter dipole (fed with coax) on 160 meters?
> Thanks,
>
No way Scott. It won't tune 160 with a 160 dipole. Design is 80-10. It needs
more inductance to get there.

73 Jim K4CGY

Message-ID: <21B46CBD022AD1118F0500805F15A068CA22F0@STPMSX05.stp.guidant.com>
From: "Freeberg, Scott (STP)" <scott.freeberg@guidant.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Thanks for Matchbox on 160 Response
Date: Tue, 20 Oct 1998 13:19:53 -0500
MIME-Version: 1.0
Content-Type: text/plain

My thanks to the many folks who responded to my post about using a Johnson
Matchbox on 160. It is clear now that it will not work on 160 period. I
appreciate your help.

73, Scott WA9WFA in Saint Paul Minn

Message-ID: <362CCAA7.68FD80D0@prtc.net>
Date: Tue, 20 Oct 1998 14:38:47 -0300
From: laffitte@prtc.net (laffitte)
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: [R-390] SP-600 vs R-390n/a
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

OK here's my two cents worth. I have two R390 non As and one SP600. In terms of
selectivity and sensitivity using the same antenna, the R390s outperform the

SP600. I can clearly pick up stations in the R390s that are almost unreadable in the SP600. The R390s are more selective. All the receivers are well adjusted. The audio quality is just equal in both using the same speaker and 600 to 8 matching transformer.. One thing for the SP600. It is the most reliable radio ever. This particular one has not given me any trouble for many years. Just normal readjustments. I like them all anyway :>).

Best 73s
Guido KP4FAR
BA Collector in the Tropics
San Juan, PR USA

Eustaquio, Cal J wrote:

> Thank you, Jerry. But that doesn't answer my original post (see below
> reposted). What I'm asking for is a comparison between the SP-600 v. R-390
> non-A. Tech specs and the whole hoopla are cool but I'm more interested in
> anecdotal remarks (and perhaps some side by side comparisons) about the two
> rigs. So, anyone have these radios warmed up and ready to give me a
> comparison? I'd appreciate that.

>

> <original post>

> O.k. You folks got me going. Now I would like opinions on the above. I know
> bandcruising is the advantage of the SP-600, but considering that the IF
> system on the R-390 n/a is not restricted by the mechanized filters of the
> IF, how do you guys rate this radio in terms of sensitivity, selectivity,
> and audio against the SP-600? cal.

>

> > -----

> > From: Dr. Gerald N. Johnson, P.E.[SMTP:geraldj@ames.net]

> > Reply To: geraldj@ames.net

> > Sent: Tuesday, October 20, 1998 9:12 AM

> > To: Eustaquio, Cal J

> > Cc: r-390@qth.net

> > Subject: Re: [R-390] SP-600 vs R-390n/a

> >

> > While the IF system of the R-390 isn't restricted by the mechanical
> > filters of the A, it still has the same specifications for selectivity
> > in powers of 2 though the selectivity is created by multiple IF
> > transformers.

> >

> > With the shape factor of the IF transformer set probably not as tight as
> > the mechanical filter, the IF transformer response curve probably isn't
> > as prone to ringing from transients as the mechanical filters I've used.
> > I'm finding the crystal filters in my latest acquisition, a TenTec
> > Corsair II (ham band only, no AM) ring less on static than Kenwood
> > crystal filters and Collins mechanical filters. Most makers of filters
> > have chosen to ignore phase and time responses in favor of super

> > frequency responses on the grounds that ears are not sensitive to phase.
> > Unfortunately this leads to a filter that rings for large fractions of a
> > second after each transient is applied, such as nearby lighting static.
> >
> > 73, Jerry, K0CQ
> >
>
> ---
> Submissions r-390@qth.net

Message-ID: <01BDFC39.061C5F20@d23.dial-6.cmb.ma.ultra.net>
From: "Chuck O'Neal" <coneal@ultranet.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: Johnson Matchbox on 160
Date: Tue, 20 Oct 1998 14:50:45 -0400
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hello RF addicts....

There was an article in either Ham Radio or QST I think in the 70's that had a mod to put the Johnson Matchboxes on 160. It involved adding padding capacitance across the split tuning cap on the "secondary" of the inductor. The Johnson matchbox is one of the few *really* balanced line tuners, unlike today's stuff (junk) that attempts balancing though the use of a balun on the output of a T network. As I recall, there was sufficient coupling from the "primary" link on 80M to be OK on 160. The amount of padding cap required is 2X the max value of one section of the tuning cap to achieve resonance on 160, provided the cap is added across the entire coil. If you add padding capacitance across each section, it will take 4X the value of each section. This will get you in the ballpark, but, the matching range will be less than on 80M. You may have to play with the open wire line feeder length (add 30 - 60 ft or so) to put you within range of tuner if you cannot get a match. This assumes that you feeding a wire in the center at least 200+ feet long, a real 1/2 wave, 260 ft is easier. I have matched open wire fed 75 meter dipoles this way (on 160) but the tuning is really critical (sharp, i.e. hi Q). One other note, the voltage rating on this padding cap should be high, a fixed vacuum with a 10 KV rating will handle a legal limit AM rig, with a Valiant, it should be at least 5KV.... Hope this helps....

73,
Chuck....K1KW

End of BOATANCHORS Digest 2266
